## **AMENDMENTS TO THE CLAIMS**

## Claims 1-7 (Withdrawn)

8. (Currently Amended) A non-human-transgenic-animal mouse whose genome comprises a homozygous disruption in a nucleic acid sequence comprising the nucleotide sequence set forth in SEQ ID NO: 1, wherein the disruption comprises disruption of the nucleotide sequence set forth in SEQ ID NO: 1, and wherein said transgenic mouse exhibits, relative to a wild-type mouse, a phenotype selected from the group consisting of increased response latency during a hot plate test and increased time in the central region during an open field test a disruption in a platelet activating factor receptor gene.

## Claim 9 (Canceled)

- 10. (Currently Amended) A method of producing a transgenic mouse <u>whose genome</u> comprises a disruption in a nucleic acid sequence comprising the nucleotide sequence set forth in SEQ ID NO: 1, wherein the disruption comprises disruption of the nucleotide sequence set forth in SEQ ID NO: 1, comprising a disruption in a platelet activating factor receptor gene, the method comprising:
  - i) introducing the a targeting construct that targets the nucleotide sequence set forth in SEQ ID NO: 1 of claim 1 into an embryonic stem cell;
  - ii) introducing the embryonic stem cell into a blastocyst;
  - iii) implanting the resulting blastocyst into a pseudopregnant mouse, wherein said pseudopregnant mouse gives birth to a chimeric mouse; and
  - iv) breeding the chimeric mouse to produce the transgenic mouse.

## Claims 11-16 (Withdrawn)

- 17. (New) The transgenic mouse of claim 8, wherein the increased latency to respond during a hot plate test comprises an increased amount of time before the mouse licks or fans its hindpaw.
- 18. (New) The transgenic mouse of claim 8, wherein the increased latency to respond during a hot plate test is characteristic of a higher pain threshold in the mouse.

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19. (New) The transgenic mouse of claim 8, wherein the increased time in the central region during an open field test is characteristic of decreased anxiety in the mouse.